## ISSUE SLIP STAPLE AREA (for additional cross references)

| INITIALS | ID NO. | DATE            |
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## **INDEX OF CLAIMS**

| ✓ Rejected                                     | N Non-elected |
|--|---------------|
| = Allowed                                      | lInterference |
| <ul> <li>(Through numeral) Canceled</li> </ul> | A Appeal      |
| ÷ Restricted                                   | O Objected    |

|          |            |           |          |              |              | ÷        | ·            | •••••    |          | ••••     | ••••      | ••••• | F        | Rest         | rict     | ed       |          |                    |           | 0            | ••••   | ••••   | ••••     | ••••       |   |          | . <b>O</b> b | ject         | ted          |   |
|----------|------------|-----------|----------|--------------|--------------|----------|--------------|----------|----------|----------|-----------|-------|----------|--------------|----------|----------|----------|--------------------|-----------|--------------|--|--|----------|------------|---|----------|--------------|--------------|--------------|---|
| Cla      | im         |           | -        |              |              | Dat      | e,*          | -        |          |          |           | -     | Cla      | im           |          |          |          |                    | Dat       | e            |  |  |          |            |   | Cla      | im           | _            |              | _ |
| Final    | Original   | 6/23/03   | 3/10/09  |              |              | 7        |              |          |          |          |           |       | Finat    | Original     |          |          |          |                    |           |              |  |  |          |            |   | Final    | Original     |              |              |   |
| <u> </u> | 0<br>(1    | 7         | 7        | _            | Н            |          | $\vdash$     |          |          | -        | $\dashv$  |       | ш        | 51           |          |          |          | -                  | -         |              |  | $\dashv$   | $\dashv$ | $\dashv$   | } |          | 101          | +            | $\dashv$     | _ |
| -        | 2          | 1         | 7        |              | Н            |          | H            |          | $\neg$   | $\dashv$ | -         |       |          | 52           |          |          |          | Т                  |           |              |  | _  | $\dashv$ | ヿ          | - |          | 102          | 7            | 7            | _ |
|          | 3          | T         | 1        |              |              |          |              |          |          | $\neg$   |           |       |          | 53           |          |          |          |                    |           |              | П  |  | T        |            | ĺ |          | 103          | T            | $\neg$       |   |
|          | 4          |           | П        |              |              |          |              |          |          |          |           |       |          | 54           |          |          |          |                    |           |              |  |  |          |            |   |          | 104          | $\Box$       | $\Box$       |   |
|          | 5          | 1         | Ц        | _            | Ш            |          | Ц            |          |          | _        | _         |       | _        | 55           | _        | _        |          | Ļ                  |           |              |  | _  | _        | _          |   |          | 105          | _            |              |   |
|          | 6          | Ц.        | Н        |              | ļ.,          |          | Щ            |          |          | 4        | _         |       |          | 56           |          |          | _        | -                  | _         |              |  |  |          |            | - | _        | 106<br>107   | $\dashv$     |              | _ |
| -        | 7          | Н         | H        |              | $\vdash$     |          | Ш            |          |          | -        |           |       |          | 57<br>58     |          |          | _        | ├                  | -         |              |  | $\dashv$   | -        |            | ŀ |          | 108          | $\dashv$     | $\dashv$     | _ |
|          | 9          | H         | ╀        | <del> </del> | Н            |          | Н            |          | -        | -        |           |       |          | 59           |          |          | _        | ⊢                  | $\vdash$  | -            |  |  | $\dashv$ | $\dashv$   | 1 |          | 109          | -+           | -+           | _ |
| $\vdash$ | 10         | H         | ď        | ļ            | $\vdash$     | -        | $\vdash$     |          |          | +        | $\dashv$  |       |          | 60           | _        |          |          | ╁─                 | -         | H            |  | $\dashv$   | -        | $\dashv$   | ŀ |          | 110          | $\dashv$     | -            |   |
| -        | 11         | :         | o        | -            | Н            |          | $\vdash$     |          |          | -        | ᅥ         |       |          | 61           | -        |          |          |                    | H         | -            |  | $\dashv$   | 7        | $\dashv$   | ŀ |          | 111          | 7            | $\neg$       |   |
| $\vdash$ | 12         | ò         | 0        |              |              |          | Н            |          |          | $\dashv$ |           |       | _        | 62           |          | -        |          |                    |           | П            |  |  |          |            |   |          | 112          | $\neg$       | $\exists$    | _ |
|          | 13         | ٥         | Ó        |              |              |          |              |          |          | 1        |           |       |          | 63           |          |          |          |                    |           |              |  |  |          |            |   |          | 113          |              |              |   |
|          | 14         | 1         | ン        |              |              |          |              |          |          |          |           |       |          | 64           |          |          |          |                    |           |              |  |  |          |            |   |          | 114          |              |              | _ |
|          | 15         | V         | 1        |              |              |          |              |          |          |          |           |       | _        | 65           |          |          |          | L                  | L         |              | L_   |  |          | Ц          |   |          | 115          | _            | _            |   |
|          | 16         | ٥         | ڡٳ       | L.           | <u> </u>     |          |              |          |          |          | _         |       | L        | 66           |          |          | L        | _                  | _         | _            |  |  | _        |            |   |          | 116          |              |              | _ |
| _        | 13         | ٥         | 0        | _            | <u> </u>     |          | <u></u>      |          |          | _        |           |       | _        | 67           |          | <u> </u> |          | ┼                  | ┢         | <u> </u>     | <u> </u>   |  |          |            |   |          | 117          | _            | _            | _ |
| <u> </u> | 18         | 4         | ~        | ┡            | H            | _        | $\vdash$     | <u> </u> | Ш        |          |           |       | _        | 68           |          | _        | L        | -                  | ļ         | -            | ļ  |  | _        |            |   | -        | 118<br>119   | $\dashv$     | $\vdash$     | - |
| $\vdash$ | 19         | 2         | 0        | ╄-           | 12           |          | <del> </del> | <u> </u> | -        | $\dashv$ | 4         |       |          | 69<br>70     |          | -        | -        | ╂                  | ├         | -            | ⊢  |  | -        |            |   | _        | 120          | $\dashv$     | -            | - |
| -        | 20         | 1         | V        | ⊢            | 1            | -        | $\vdash$     | L        | $\vdash$ | _        | -1        |       |          | $\mathbf{L}$ | <u> </u> | <u> </u> | -        | -                  | ⊢         | -            | <del>  -</del>                                   | -  | _        |            |   | _        | 121          |              | ├╌┤          | H |
|          | 21<br>22   | +         | 1        | 1            | ╄-           | -        | $\vdash$     |          | - 8      |          |           |       | $\vdash$ | 71<br>72     |          | -        |          | -                  | -         |              | -  | -  |          | _          |   | $\vdash$ | 122          |              | Н            | H |
| $\vdash$ | 23         | +         | ╫        | ├            | ┢            | -        | 1            |          |          | $\dashv$ |           |       | $\vdash$ | 73           |          | -        | -        | +                  | $\vdash$  | ├            | ╁╌   | -  |          |            |   | H        | 123          |              |              | H |
| -        | 24         |           | -        | +-           | ╁            | ├        | <del> </del> | $\vdash$ |          |          | _         |       | ┝╴       | 74           | -        |          | -        | +-                 | t         |              | -  |  | _        |            |   | $\vdash$ | 124          |              |              | r |
| $\vdash$ | 25         |           | 1        | <del> </del> | <del> </del> |          | -            |          | $\vdash$ |          | $\exists$ |       | ┝╌       | 75           |          | $\vdash$ | T        | †-                 | 1         | T            | <b>†</b>   | $\vdash$   |          | _          |   |          | 125          | П            | П            | r |
| ,        | 26         | $\dagger$ | r        | T            | $\vdash$     | T        | H            | $\vdash$ | $\vdash$ |          |           |       | ┢        | 76           | _        |          | T        | T                  | T         | <del> </del> | ┢  | Г  |          |            | İ | _        | 126          |              | П            | Γ |
| ` _      | 2          |           | ┖        | $\vdash$     | 1            |          | 1            |          |          |          |           |       | Г        | 77           |          |          |          | 1                  |           |              | Γ  |  |          |            |   |          | 127          |              |              |   |
|          | 28         | Т         | $\Gamma$ |              |              |          |              |          |          |          |           |       |          | 78           |          |          |          | Π                  | L         |              |  |  |          |            |   |          | 128          |              |              |   |
| · [      | 29         |           | $\prod$  | L            | L            |          |              |          |          |          |           |       |          | 79           |          | Ĺ.,      | L        |                    | _         | L            | <u> </u>   |  |          |            |   | L        | 129          | Ш            | Ш            | L |
|          | 30         | Ц         | 1        | ┡            | _            | _        |              | L        |          |          | _         |       |          | 80           | _        | L.       | ļ        | $oldsymbol{\perp}$ | L         | <u> </u>     | ļ  | <u> </u>   |          |            |   | _        | 130          |              | $\sqcup$     | L |
| _        | 31         |           | V        | ┡            | Ļ_           | _        | <u> </u>     | _        | Ш        |          |           |       | L        | 81           | L        | L        | ┞        | ╁                  | ╄         |              | ┞  | <del> </del>                                     | _        | <u> </u> _ |   | _        | 131          |              | -            | - |
| -        | 32         |           | ဗ        |              | ├            | ļ        | ├            | _        |          |          | _         |       |          | 82           | -        | -        | ┞        | +-                 | ┼-        | -            | $\vdash$   | -  | ├-       | -          | ł | -        | 132          | -            | H            | ┞ |
| -        | 33         | Ø         | -        | -            | ╁┈           | ├        | -            | -        | H        |          | _         |       | H        | 84           | $\vdash$ | ⊢        | ⊢        |                    | ╁         | ╁            | ╁  | ├─   |          | _          | 1 | ┝        | 134          | <del> </del> |              | H |
| $\vdash$ | 35         | K         | H        |              | ╁            | $\vdash$ | ├-           | -        |          |          | _         |       | -        | 85           | -        |          | ╁        | +-                 | +-        | +            | 1  | <del>                                     </del> | -        | -          | 1 | -        | 135          |              | $\vdash$     | t |
| $\vdash$ | 36         |           | H        | H            | ╁            | H        | ╁            | ┝        | <u> </u> | Н        |           |       |          | 86           | -        | ┯        |          | +                  | ╁╌        | ╁            | <del>                                     </del> | 1  | -        | -          | 1 | -        | 136          |              | $\vdash$     | t |
|          | <u> </u>   | H         | #        |              | +            | T        | t            | T        |          | H        |           | }     |          | 87           |          |          | T        | †                  | T         | 1            | †  | t  | T        |            | 1 | Г        | 137          |              | Г            | T |
| -        | 38         | П         |          |              | T            | Γ        | $\vdash$     | Г        | $\vdash$ | П        |           | 1     | Г        | 88           | Г        |          | 1        | T                  | T         |              | Γ  |  |          |            | ] |          | 138          |              |              | Γ |
|          | <b>(39</b> | 11        | T        | I            | Ī            | Γ        |              |          |          |          |           | j     |          | 89           |          | L        |          | I                  |           |              | Γ  |  |          |            | ] |          | 139          |              |              | I |
|          | 40         | V         | V        |              |              | Γ        |              |          |          |          |           |       |          | 90           |          |          |          |                    |           |              |  |  |          |            |   |          | 140          |              |              | L |
|          | 41         | Γ         |          | Γ            |              |          |              |          |          |          |           |       |          | 91           |          |          |          |                    |           |              |  |  |          |            |   | Ĺ        | 141          |              |              | L |
|          | 42         | -         |          |              |              |          |              |          |          |          |           |       |          | 92           |          |          |          | L                  |           |              |  |  | $\Box$   | $\Box$     | ] | Ĺ        | 142          |              | $oxed{\bot}$ | Ĺ |
|          | 43         | +         | L        |              |              |          |              |          |          |          |           |       | L        | 93           | L        | L        | L        | 1                  | L         | L            | L  | <u> </u>   | _        | <u> </u>   | - | L        | 143          | ₩            | <u> </u>     | L |
| <u>_</u> | 44         |           | <u> </u> | _            | L            |          |              | L        | _        | L        |           |       | L        | 94           | L        | _        | Ļ.       | $\perp$            | 1_        | _            | _  | _  | <u> </u> | L          |   | L        | 144          |              | $\vdash$     | L |
| <u> </u> | 45         | -         | ┞        | $\vdash$     | <del> </del> | L        | <u> </u>     | _        | <u> </u> | L        |           | ļ     | <u> </u> | 95           | <u> </u> | -        |          | +                  | ╀-        | -            | 1  | -  | L        | <u> </u>   | - | <u> </u> | 145          | -            |              | H |
| -        | 46<br>47   |           | $\vdash$ | $\vdash$     | $\vdash$     | -        | $\vdash$     | ⊢        | -        | $\vdash$ |           | ł     | $\vdash$ | 96<br>97     | ┡        | ╀        | $\vdash$ | +-                 | +         | -            | +-   | -  | -        | -          | 1 | $\vdash$ | 146          |              | ├-           | + |
| -        | 48         |           | ┼-       | $\vdash$     | +            | $\vdash$ | $\vdash$     | ╁        | $\vdash$ | -        |           | 1     | -        | 98           | $\vdash$ | ├-       | ├-       | +                  | ╀         | +            | +  | -  | $\vdash$ | -          | 1 | $\vdash$ | 148          | _            | ├            | + |
| -        | 49         |           | $\vdash$ | +-           | +-           | +-       | ╁╌           | ╁        | -        | $\vdash$ |           | 1     | $\vdash$ | 99           | $\vdash$ | ├-       | ╁        | +-                 | $\dagger$ | ╁            | ╁╌   | +  | H        | $\vdash$   | 1 | $\vdash$ | 149          | -            | ┢            | t |
|          | 50         |           | +        | +            | $^{+}$       | $\vdash$ | +            | $\vdash$ | 1        |          | _         | 1     | H        | 100          | _        | +        | †        | +                  | -         | $\top$       | 1  | T  |          |            | i | -        | 150          |              | $\vdash$     | t |
|          |            | ٠         |          |              | -            |          |              |          |          |          |           | •     | <u> </u> |              | •        |          |          |                    |           | _            |  |  |          |            | - | _        |              |              |              | - |

| Claim |          |    |           | _        |         | Dat      | e        |          |              |          |          |
|-------|----------|----|-----------|----------|---------|----------|----------|----------|--------------|----------|----------|
| Final | Original |    |           |          |         |          |          |          |              |          |          |
|       | 101      |    |           |          |         |          |          |          |              |          | Ш        |
|       | 102      |    |           |          |         |          |          |          |              |          |          |
|       | 103      |    |           |          |         |          |          |          |              |          |          |
|       | 104      |    |           |          |         |          |          |          |              |          |          |
|       | 105      |    |           |          |         |          |          |          |              |          |          |
|       | 106      |    |           |          | ·       |          |          |          |              |          |          |
|       | 107      |    |           |          |         |          |          |          |              |          |          |
|       | 108      |    |           |          |         |          |          |          |              |          |          |
|       | 109      |    |           |          |         |          |          |          |              | _        |          |
|       | 110      |    |           |          |         |          |          |          |              |          |          |
|       | 111      |    |           |          |         |          |          | _        |              |          |          |
|       | 112      |    |           |          |         | <u> </u> | L.       | _        | _            |          | L        |
|       | 113      |    |           |          |         |          |          |          | _            | L        |          |
|       | 114      |    | L         | Ĺ        | L       |          | _        | Ĺ        | Ĺ            | _        | <u> </u> |
|       | 115      |    |           |          |         | L        | L        |          | L            | Ĺ        | L        |
|       | 116      | 1  | _         | L        |         |          |          |          | _            | _        |          |
|       | 117      | -  |           | Ĺ        | L       |          |          |          | L            | L.       | _        |
|       | 118      | _  | L         | L        |         | <u> </u> | L_       |          |              |          | <u> </u> |
|       | 119      | _  | <u>L</u>  | _        | L       | _        |          |          | L            |          | <u> </u> |
|       | 120      |    |           |          | Γ       |          | 1        |          |              |          |          |
|       | 121      |    |           |          |         |          | Γ        |          |              |          | Т        |
|       | 122      |    |           | Г        |         | Г        |          |          |              |          |          |
|       | 123      | 3  | T         |          | Π       | П        |          |          | Γ            | Г        | П        |
|       | 124      | 1  | 1         |          |         |          |          |          |              | T        | Π        |
|       | 125      | 3  |           |          |         |          |          |          |              |          |          |
|       | 126      |    | Π         |          |         |          |          |          |              |          |          |
|       | 127      |    |           |          |         |          |          |          |              |          |          |
|       | 128      | 3  |           |          |         |          | L_       |          |              |          |          |
|       | 129      |    |           |          |         |          | L        | L        |              | L        | L        |
|       | 130      | _  | 1_        |          |         |          |          |          |              |          |          |
|       | 13       |    | _         |          | L       | L        | L        | L        | L            |          |          |
|       | 132      | 2  |           |          |         |          |          |          | 1_           | <u>L</u> | 1_       |
|       | 133      |    |           |          | L       |          |          | L        | <u>L</u>     | L        | 1_       |
|       | 13       |    |           |          |         | L        |          | L        | L            | ┖        | _        |
|       | 13       |    | $\perp$   |          | $\perp$ | _        | _        | ۱.       | ┖            | L        |          |
|       | 13       | .1 | _         | $\perp$  | $\perp$ | _        | <u> </u> | Ļ        | 1            | $\perp$  | $\perp$  |
|       | 13       |    | ↓_        | <u> </u> | 1       | ↓_       | 1        | 1        | $\downarrow$ | 1        | ↓_       |
|       | 138      |    | L         | <u> </u> | L       | _        | 4_       | $\perp$  | $\perp$      | $\perp$  | 1        |
|       | 139      |    | $\perp$   | _        | 1       | 1        | 1_       | $\perp$  | $\downarrow$ | 1        | 1_       |
| _     | 140      | -  | $\perp$   | 1        | $\perp$ | 1_       | 1        | <u> </u> | L            | Ļ.       | 1        |
|       | 14       |    |           |          |         | $\perp$  |          | <u> </u> | L            | L        | $\perp$  |
| _     | 14       |    |           | Ĺ        |         |          | $\perp$  | L        | L            | Ĺ        | L        |
|       | 14       | _  | Ľ         | L        |         |          |          | L        | L            | L        |          |
|       | 14       |    |           |          |         |          |          | L        | L            | L        | L        |
|       | 14       |    |           | L        | $\perp$ | L        |          | L        | L            | L        |          |
|       | 141      |    |           | L        |         | L        |          |          | L            | $\perp$  | _        |
|       | 14       | 7  | L         | L        |         |          |          | L        |              |          |          |
|       | 14       |    |           |          |         |          |          |          |              |          | Ĺ        |
|       | 14       | 9  | 1         | ┸        | 1       | $\perp$  | 1        | ╙        | 1            | 1        | 1        |
| _     | 15       | 0  | <u>L.</u> | L        | 1       |          | 1_       |          | 1            | L        | 1_       |
|       |          |    |           |          |         |          |          |          |              |          |          |

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